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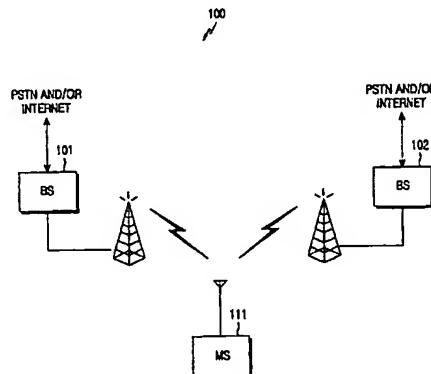
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- (71) Applicant (for all designated States except US): **SAMSUNG ELECTRONICS CO., LTD. [KR/KR]; 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do 442-742 (KR).**
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **PARK,**
- (Hyung-Weon [KR/KR]; #401-1304, Pureunmaeul APT., Sinjeong-dong, Yangcheon-gu, Seoul 158-793 (KR). LEE, Woo-Yong [KR/KR]; #301-501, Sangrokmaeul Wooseong APT., Jeongja-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-786 (KR). SON, Young-II [KR/KR]; #107-1304, Haengrimmaeul Raemian 1-cha APT., Gisan-ri, Taean-eup, Hwaseong-si, Gyeonggi-do 445-972 (KR). KIM, Seong-Eun [KR/KR]; #212-102, Maehwamaeul Jugong 2-danji APT., Yatap-dong, Bundang-gu, Seongnam-si, Gyeonggi-do 463-916 (KR). BROBSTON, Michael, L. [US/US]; 931 Southfork Drive, Allen, Collin County, TX 75013 (US). LOH, Lup, M. [SG/US]; 4720 Vintage Lane, Apt. 411, Plano, Collin County, TX 75024 (US).
- (74) Agent: **LEE, Keon-Joo; Mihwa Bldg. 110-25, Myonggyun-dong 4-ga, Chongro-gu, Seoul 110-524 (KR).**
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(54) Title: **MULTIMODE/MULTIBAND MOBILE STATION AND METHOD FOR OPERATING THE SAME**



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- (57) Abstract: A multimode/multiband mobile station and a method for operating the same are provided. A transmission module transmits multimode/multiband signals through transmitters. A reception module receives radio signals for different services of the same frequency band among multimode/multiband signals through receivers for the same frequency band, and receives radio signals of different frequency bands among the multimode/multiband signals through receivers for the different frequency bands. As compared with the conventional mobile station, the multimode/multiband mobile station can reduce the number of receivers by making use of one receiver to receive radio signals for different services of the same frequency band. The multimode/multiband mobile station can use a duplexer of the conventional frequency division duplex (FDD) technique (e.g., wideband code division multiple access (WCDMA)) in a time division duplex (TDD) technique (e.g., Global System for Mobile Communication (GSM) 850 or Personal Communication Service (PCS) 1900).



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